

DUNE Project Status

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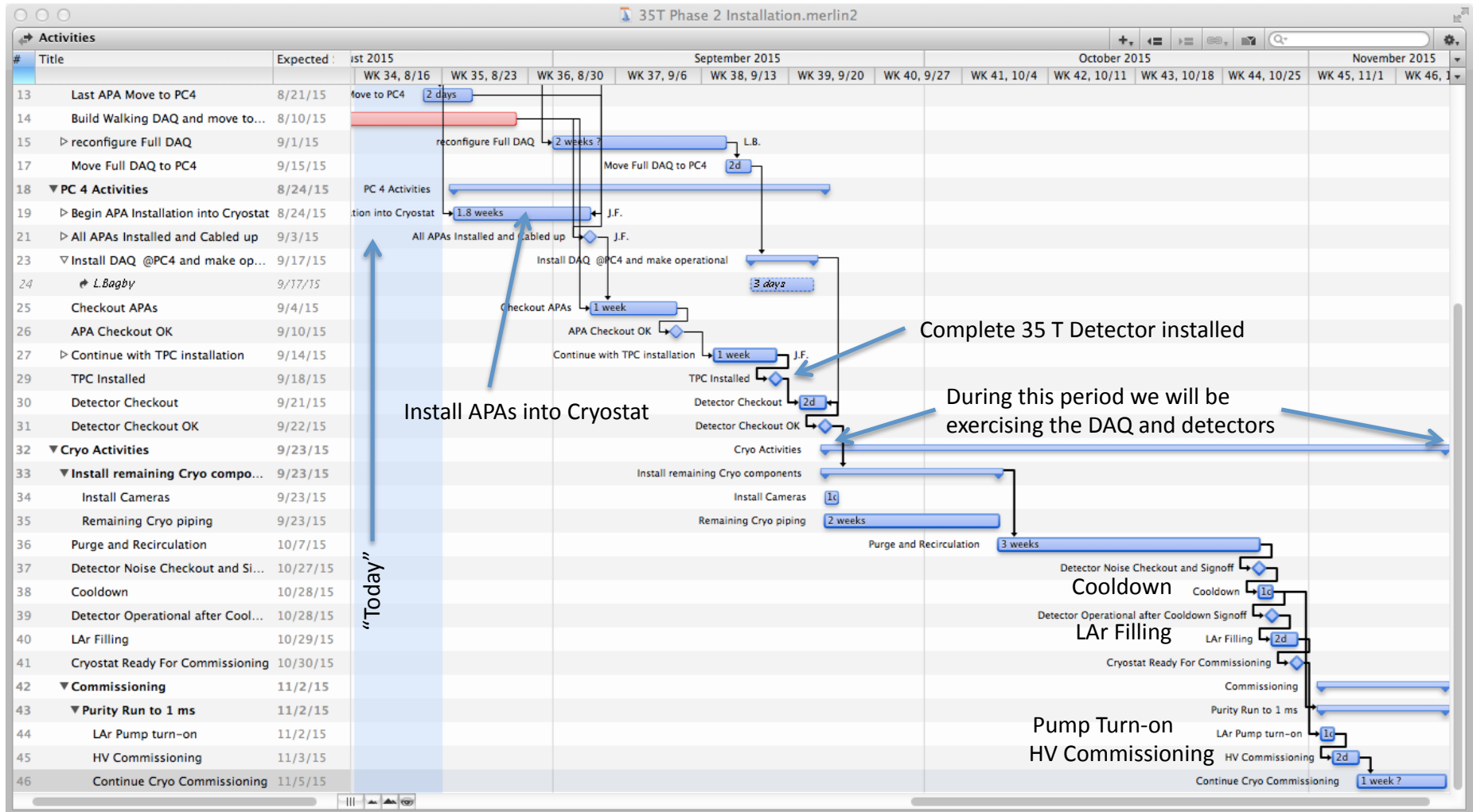
DUNE Collaboration Call

August 21, 2015

Big Picture

- 35-ton
 - Installation of the APAs scheduled for next week
 - Goal is button up the cryostat during the 3rd or 4th week of September and begin cryogenic operations
 - See schedule (next slide)
- CD-3A Review (December 2015)
 - Main focus for DUNE is ensuring that all interfaces to the far site conventional facilities are well understood and documented
 - Last week participated in interface & logistics workshops at SURF (follow-up on September 2nd at Fermilab)

35-ton Schedule



Big Picture

- CD-3A Review (cont.)
 - Main detector issues identified were to better understand detector grounding scheme and back-end DAQ computing requirements
 - Detector grounding scheme will be main topic at first DUNE Technical Board meeting on September 3rd
 - DUNE project DAQ team participated in LBNF Cyberinfrastructure workshop at SURF yesterday
- FY16 Budget
 - Working to understand what activities can be accommodated within the current funding profile

Big Picture

- FY16 Budget (cont.)
 - Focus will be on critical development activities for protoDUNE detector (CERN test beam – 2018)
 - Meeting at BNL yesterday to discuss front-end COLD electronics development and potential cost-sharing with SBND
 - Working to understand engineering resources required to form essential detector integration team (potential CERN contributions)
 - Project management team will iterate with L3 managers this week and then move to put the required SOWs in place for FY16

Big Picture

- Collaboration Organization
 - International Project Manager (Steve Kettell), Far Detector Coordinator (Tim Bolton), Far Detector Manager (Jim Stewart), and Near Detector Coordinator (Sanjib Mishra) have been named
 - Tim and Jim are working with DUNE management team to establish collaboration far detector working groups
 - More details in Tim Bolton presentation
 - Important goal is to incorporate new U.S. and international institutions within working group structure
 - Collaboration task forces are being organized to address key issues that need to be addressed in order to finalize the detector designs

Big Picture

- Collaboration Organization (cont.)
 - Further development of working groups for CERN prototypes is being put off until protoDUNE receives final approval (hopefully at next SPSC meeting in October)
 - In the meantime, Thomas Kutter is serving as the interim coordinator of collaboration activities surrounding the CERN prototypes and leading the effort to obtain this approval

DUNE Project Issues

- Search is underway for DUNE-US Project Manager (hope to have this person in place as soon as possible)
- COLDATA ASIC development at Fermilab is still on critical path for detectors (Fermilab will post opening for new ASIC engineer and need to get this person in place as soon as possible)
- Working with LBNF to re-organize WBS structure of projects with a goal of having new structures in place by October 1st

Collaboration Meeting Week

- Monday, August 31st
 - Far Site Risk Workshop (07:30-17:00)
- Tuesday, September 1st
 - Far Site Risk Workshop (08:00-17:00)
- Wednesday, September 2nd
 - SBND/DUNE Workshop (08:30-12:30)
 - Collaboration Meeting 35-ton & Far Detector Parallel Sessions (14:00-15:30 and 16:00-18:00)
 - Follow-up Far-site Integration Workshop (15:00-17:00)
 - EFIG Meeting (17:30-19:30) [restricted]

Collaboration Meeting Week

- Thursday, September 3rd
 - First Technical Board Meeting (08:30-10:00) [restricted]
 - Collaboration Meeting Near Detector & DAQ Parallel Sessions (10:30-12:00)
 - Collaboration Meeting protoDUNE Parallel Sessions (14:00-15:30 & 16:00-18:00)
 - First Resources Review Board Meeting (14:00-18:00) [restricted]
- Friday, September 4th
 - Collaboration Plenary Sessions (08:30-18:00)
 - Institutional Board Meeting (12:30-14:00) [restricted]
 - Collaboration Dinner (18:30-20:30)

Collaboration Meeting Week

- Saturday, September 5th
 - Collaboration Plenary Sessions (09:00-15:30)
- Sunday, September 6th
 - LBNC Plenary Talks (09:00-10:15)
 - LBNC Parallel Sessions for DUNE Technical, Cost, & Schedule Subgroup (10:35-12:35 & 13:20-14:50)

Post-Collaboration Meeting

- Tuesday, September 8th to Friday, September 11th – Workshop at BNL on Detector/Cryostat integration focusing on protoDUNE
- Comments on ARUP 100% preliminary design report for far site excavation due on September 16th
- ARUP 100% preliminary design report for far sit infrastructure expected to be available next week
- Draft of ARUP logistics report is expected to be available by September 10th with comments due on the time-scale of two weeks